

FORM PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
Patent and Trademark Office

**FIFTH SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Att. Docket No.

04-105 (400/146)

Serial No.

10/783,128

Applicant:

McSwiggen et al.

Filing Date:

February 20, 2004

Group:

1635

U.S. PATENT APPLICATION DOCUMENTS

Examiner Initial		Document Number	Filing Date	Name	Class	Subclass	Publication Date if Appropriate
/K.C./	*	US-2002/0086356	03/30/01	Tuschl et al.			07/04/02
	*	US-2002/0151693	02/08/01	Breaker et al.			10/17/02
	*	US-2003/0059944	09/13/02	Lois-Caballe et al.			03/27/03
	*	US-2003/0064945	07/25/01	Akhtar et al.			04/03/03
	*	US-2003/0143732	08/30/02	Fosnaugh et al.			07/31/03
	*	US-2004/0019001	07/26/02	McSwiggen et al.			01/29/04
	*	US-2004/0161844	11/04/03	Baker et al.			08/19/04
	*	US-2005/0182005	05/13/04	Tuschl et al.			02/18/05
	*	US-2005/0227256	11/26/04	Hutvagner et al.			10/13/05

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
/K.C./	*	5,587,471	12/24/96	Cook et al.			
	*	5,998,206	12/07/99	Cowser			
	*	6,060,456	05/09/00	Arnold et al.			
	*	6,214,805	04/10/01	Torrence et al.			

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/K.C./	*	6,346,398	02/12/02	Pavco et al.			
↓	*	6,573,099	06/03/03	Graham et al.			
	*	6,824,972	11/30/04	Kenwrick et al.			
	*	7,022,828	04/04/06	McSwiggen et al.			
↓	*	7,078,196	07/18/06	Tuschl et al.			

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		Document Number	Date	Country	Class	Subclas s	Translation	
							Yes	No
/K.C./	1.	1389637	08/05/02	EP (Klippel et al.)				
↓	2.	03/044188	11/21/02	WO (Tei et al.)				
	3.	04/013280	02/12/04	WO (Davidson et al.)				
	4.	04/029212	04/08/04	WO (Rana, Tariq M.)				
	*	04/047872	06/10/04	WO (Kaemmerer et al.)				
	5.	04/048566	11/21/03	Saigo et al.				
	6.	04/090105	10/21/04	WO (Leake et al.)				
↓	7.	05/049821	11/18/04	WO (Naito et al.)				

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	9.	Bellon et al., "4-Thio-oligo-β-D-ribonucleotides: synthesis of β-4'-thio-oligouridylates, nuclease resistance, base pairing properties, and interaction with HIV-1 reverse transcriptase," <i>Nucleic Acids Research</i> , 21(7):1587-1593 (1993)
	10.	Bernstein et al., "The rest is silence," <i>RNA</i> , 7:1509-1521 (2001)
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	14.	Claverie, Jean-Michel, "Fewer Genes, More Noncoding RNA," <i>Science</i> , 309, 1529-1530 (2005)
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	17.	Hamasaki et al., "Short interfering RNA-directed inhibition of hepatitis B virus replication," <i>FEBS Letters</i> , 543:51-54 (2003)
	18.	Holen et al., "Positional effects of short interfering RNAs targeting the human coagulation trigger Tissue Factor," <i>Nucleic Acids Research</i> , 30:8, 1757-1766 (2002)
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↓	20.	Judge et al., "Sequence-dependent stimulation of the mammalian innate immune response by synthetic siRNA," <i>Nature Biotechnology</i> , 23(4):457-462 (2005)

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/K.C./	21.	Kawaski et al., "Uniformly Modified 2'-Modified 2'-Deoxy-2'-fluoro Phosphorothioate Oligonucleotides as Nuclease-Resistant Antisense Compounds with High Affinity and Specificity for RNA Targets," <i>J. Med. Chem.</i> , 36, 831-841 (1993)
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	30.	Scherer et al., "Approaches for the sequence-specific knockdown of mRNA," <i>Nature Biotech.</i> , 21(12):1457-1465 (2003)
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✓	33.	Zhang et al., "Single Processing Center Models for Human Dicer and Bacterial RNase III," <i>Cell</i> , 118:57-68 (2004)

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/K.C./ 34.	Zhang et al., "Targeted Gene Silencing by Small Interfering RNA-Based Knock-Down Technology," <i>Current Pharmaceutical Biotechnology</i> , 5:1-7 (2004)
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